

IN THE CLAIMS:

Please cancel Claims 3, 4, 6, 8, 10, 14, 16, 18 to 26 and 29 to 34 without prejudice or disclaimer of subject matter. Please amend the remaining claims, as follows:

1. (Previously Presented) An image pickup device comprising:
a color filter array that includes color filters arranged in horizontal and vertical directions;
and an image pickup element for picking up an image of an object through said color filter array, wherein
said color filter array comprises color filter groups of a plurality of units, in which each unit comprises first to eighth color filter groups and each color filter group represents a column comprises an array of the color filters,
the first color filter group comprises an alternate array of first and second color filters,
the second color filter group comprises an alternate array of third and fourth color filters,
the third color filter group comprises an alternate array of the second and first color filters,
the fourth color filter group comprises an alternate array of the fourth and third color filters,
the fifth color filter group is arranged in a same manner as the third color filter group,
the sixth color filter group is arranged in a same manner as the second color filter group,

the seventh color filter group is arranged in a same manner as the first color filter group, and

the eighth color filter group is arranged in a same manner as the fourth color filter group.

2. (Previously Presented) An image pickup device according to claim 1, wherein the first to fourth color filters are of yellow, cyan, magenta and green.

3. and 4. (Canceled)

5. (Currently Amended) An image pickup device according to ~~claim 3~~ claim 1, wherein said image pickup element includes the plurality of pixels arranged in the horizontal and vertical directions, respectively corresponding to the color filters, and signal charges of two predetermined pixels that are mutually adjacent in the vertical direction, among the plurality of pixels arranged corresponding to the color filters, are added and an image signal corresponding to the added signal charges is outputted from said output unit.

6. (Canceled)

7. (Previously Presented) An image pickup device according to claim 5, wherein

the added signal charges of the two predetermined pixels are further added with signal charges of two predetermined pixels that are present in a direction diagonal to

the first-mentioned two predetermined pixels in a column adjacent to that of the first-mentioned two predetermined pixels, and

an image signal corresponding to the added signal charges of the four predetermined pixels is outputted from said output unit.

8. (Canceled)

9. (Previously Presented) An image pickup device according to claim 7, wherein an image signal corresponding to signal charges is outputted from said output unit by combining a method of adding the signal charges in the vertical direction and in the diagonal direction and a method of further adding, to the signal charges added in the vertical direction, signal charges in the vertical direction.

10. to 12. (Canceled)

13. (Previously Presented) An image pickup device according to claim 5, wherein color filters corresponding to the two predetermined pixels are a combination of cyan and green and a combination of yellow and magenta, or a combination of yellow and green and a combination of cyan and magenta.

14. (Canceled)

15. (Previously Presented) An image pickup device according to claim 7, wherein the color filters corresponding to the two predetermined pixels are a combination

of cyan and green and a combination of yellow and magenta, or a combination of yellow and green and a combination of cyan and magenta.

16. (Canceled)

17. (Previously Presented) An image pickup device according to claim 9, wherein the color filters corresponding to the two predetermined pixels are a combination of cyan and green and a combination of yellow and magenta, or a combination of yellow and green and a combination of cyan and magenta.

18. to 35. (Canceled)

36. (Currently Amended) An image pickup device according to ~~Claim 3~~ claim 1, further comprising:

a signal processing unit, which subjects the signals outputted from said output unit to an image processing; and

an image display unit, which displays image information from said signal processing unit.